



## Schottky rectifier bridge

Reverse Voltage 100V

Forward current-2.0A

### Features

Schottky chip

High surge current capability

Low power losses, high efficiency

Ideal for surface mounted applications

Plastic Case Material has UL Flammability



### Mechanical Data

Package: MBS

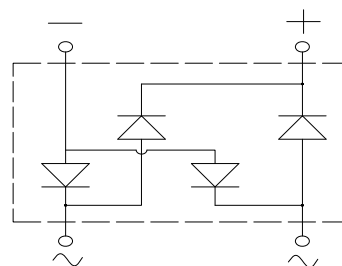
Terminals: Tin Plated leads, solderable per

Mil-STD-750 Method 2026

Polarity: As marked

Molding compound meets UL 94 V-0 flammability rating,

ROHS-compliant



### Maximum Ratings (Ta=25°C Unless otherwise specified)

Type Number	SYMBOL	KMB210S	Unit
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	100	V
Maximum RMS Voltage	$V_{RMS}$	70	V
Maximum DC Blocking Voltage	$V_{DC}$	100	V
Maximum Average Forward Rectified Current	$I_{O(AV)}$	2.0	A
Peak Forward Surge Current 8.3ms Single half-sine-wave superimposed on rated load(JEDEC Method) on rated	IFSM	40.0	A
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25°C		80.0	
Current squared time @1ms≤t≤8.3ms Tj=25°C, Rating of per diode	$I^2t$	6.6	A <sup>2</sup> S
Maximum Forward Voltage at 2.0A DC	$V_{FM}$	0.85	V
Maximum Reverse Current TA = 25°C	IR	0.3	mA
at Rated DC Blocking Voltage TA = 100°C		5	
Typical Thermal Resistance Between junction and ambient	$R_{QJA}$	76.0	°C/W
Operating Junction Temperature Range	$T_J$	—55to+150	°C
Storage Temperature Range	$T_{STG}$	—55to+150	



FIG. 1 MAXIMUM AVERAGE FORWARD CURRENT DERATING

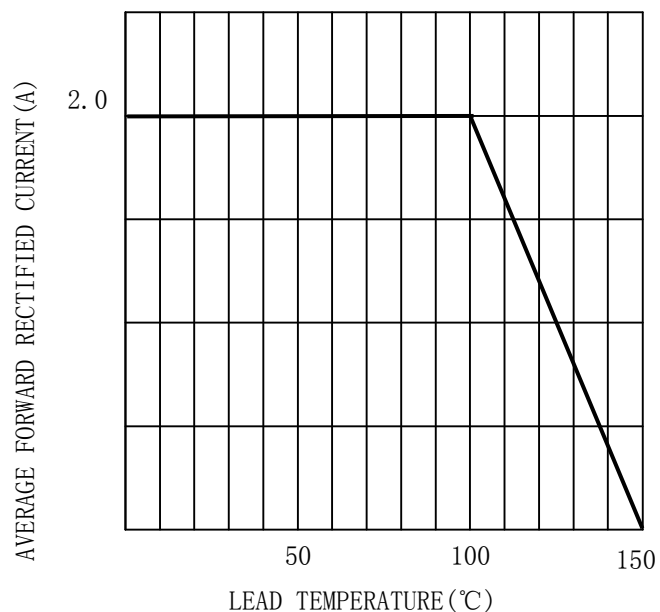


FIG. 2 TYPICAL FORWARD CHARACTERISTICS

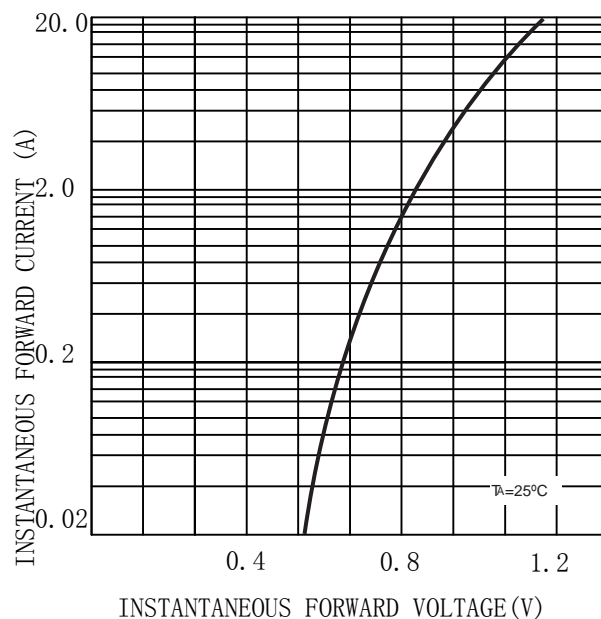


FIG. 3 MAXIMUM NON-REPEITIVE SURGE CURRENT

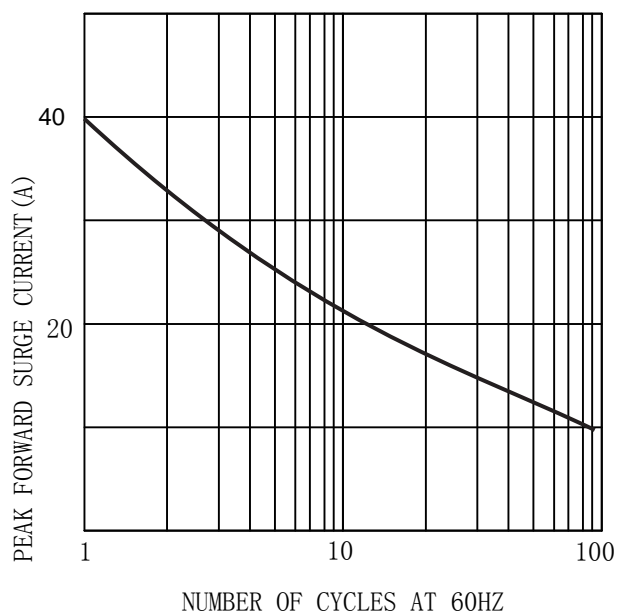
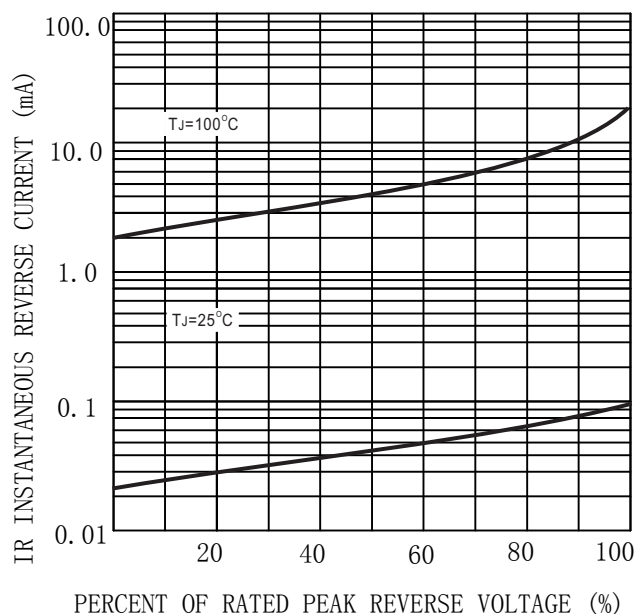


FIG. 4 TYPICAL REVERSE CHARACTERISTICS (per element)





## MARKING INFORMATION



= Logo

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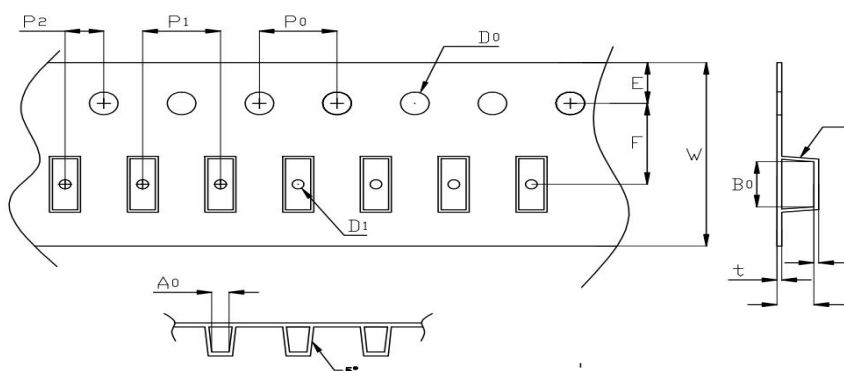
= Date Code Marking

KMB\*\*S = Marking Code

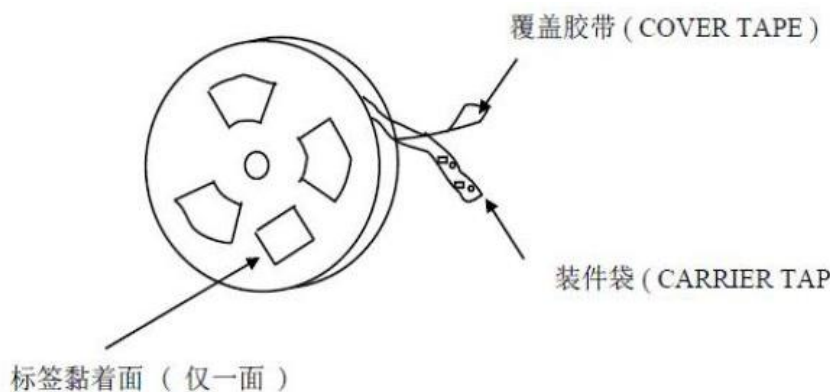
Print according to customer request

## PACKING REQUIRMENTS

Carrier tape packing



Specificati ons	Carrier tape type	Ao	Bo	Ko	Po	W
MBS	Anti-static	5.3± 0.10	7.4± 0.10	3.0± 0.10	4.00± 0.10	12.0± 0.10

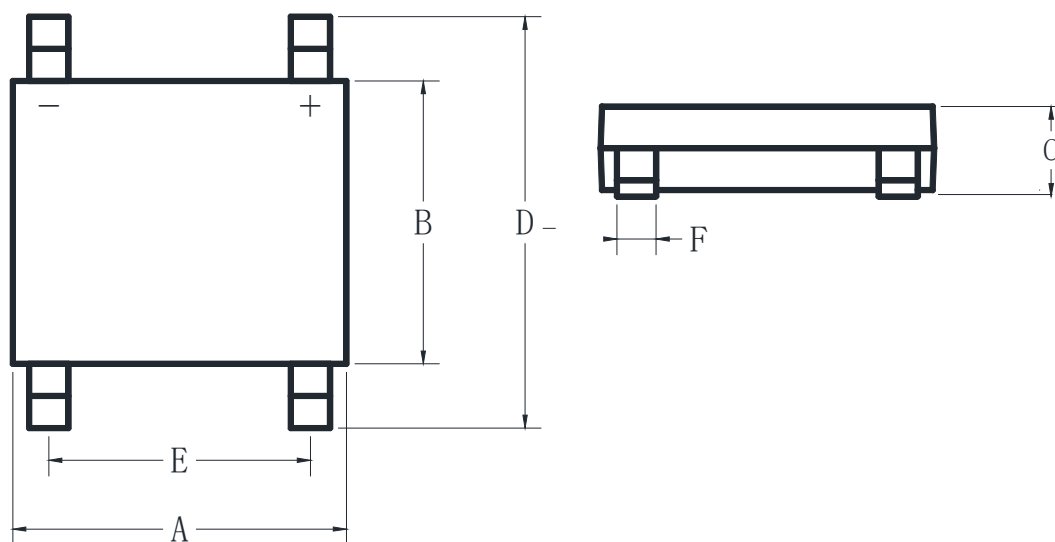


DEVICE TYPE	Tape width	13"Reel		
		Q'TY/REEL (pcs)	BOX/CAR TOON	Q'TY/REEL (pcs)
MBS	12mm	3000	20	60000



## Outline Dimensions

MBS



MBS				
DIM	INC HES		MM	
	MIN	MAX	MIN	MAX
A	0.18	0.20	4.5	5.1
B	0.14	0.16	3.6	4
C	0.09	0.11	2.3	2.7
D	0.24	0.30	6	7.5
E	0.08	0.12	2	3
F	0.02	0.04	0.4	1





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